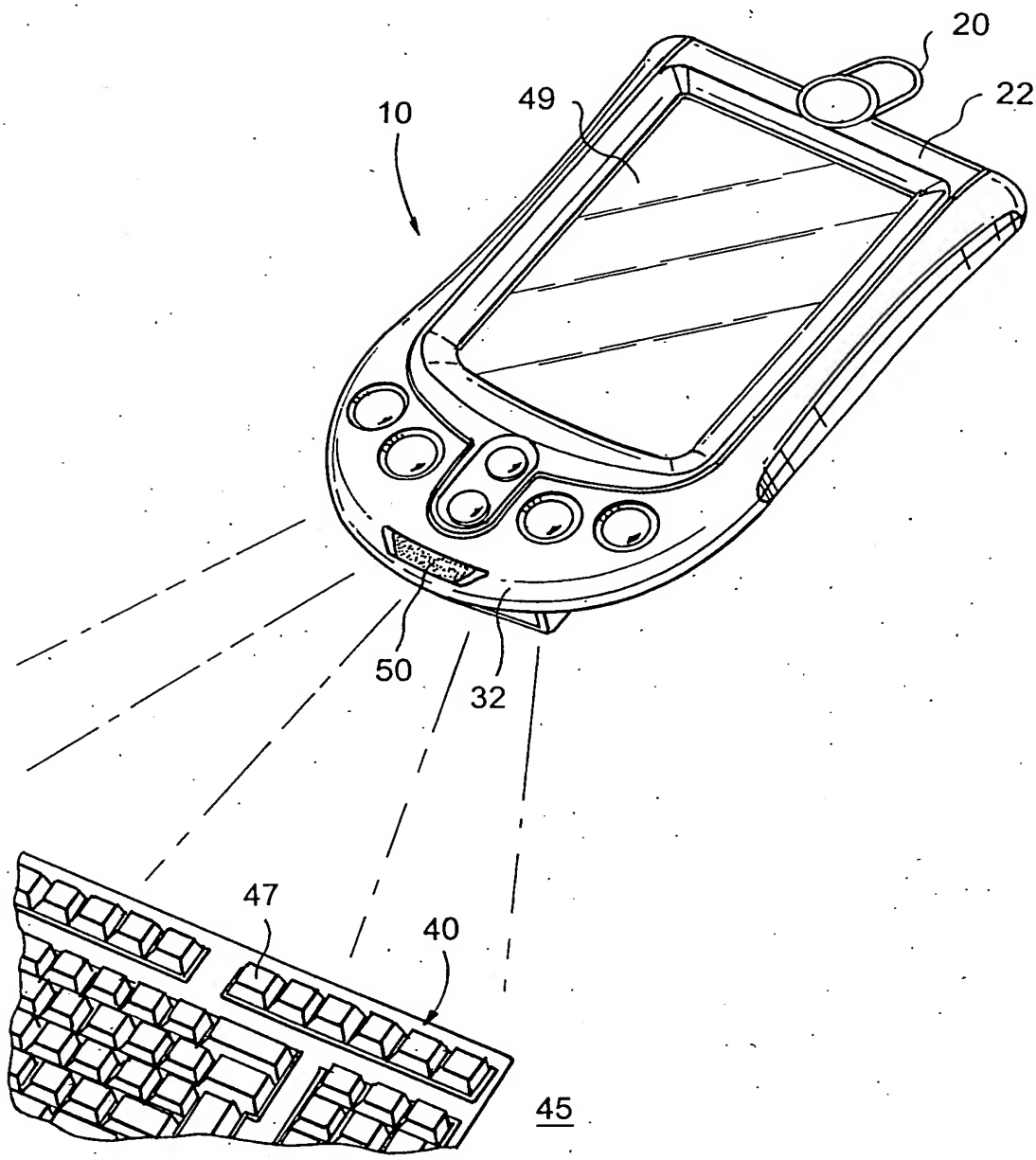

FIGURE 1

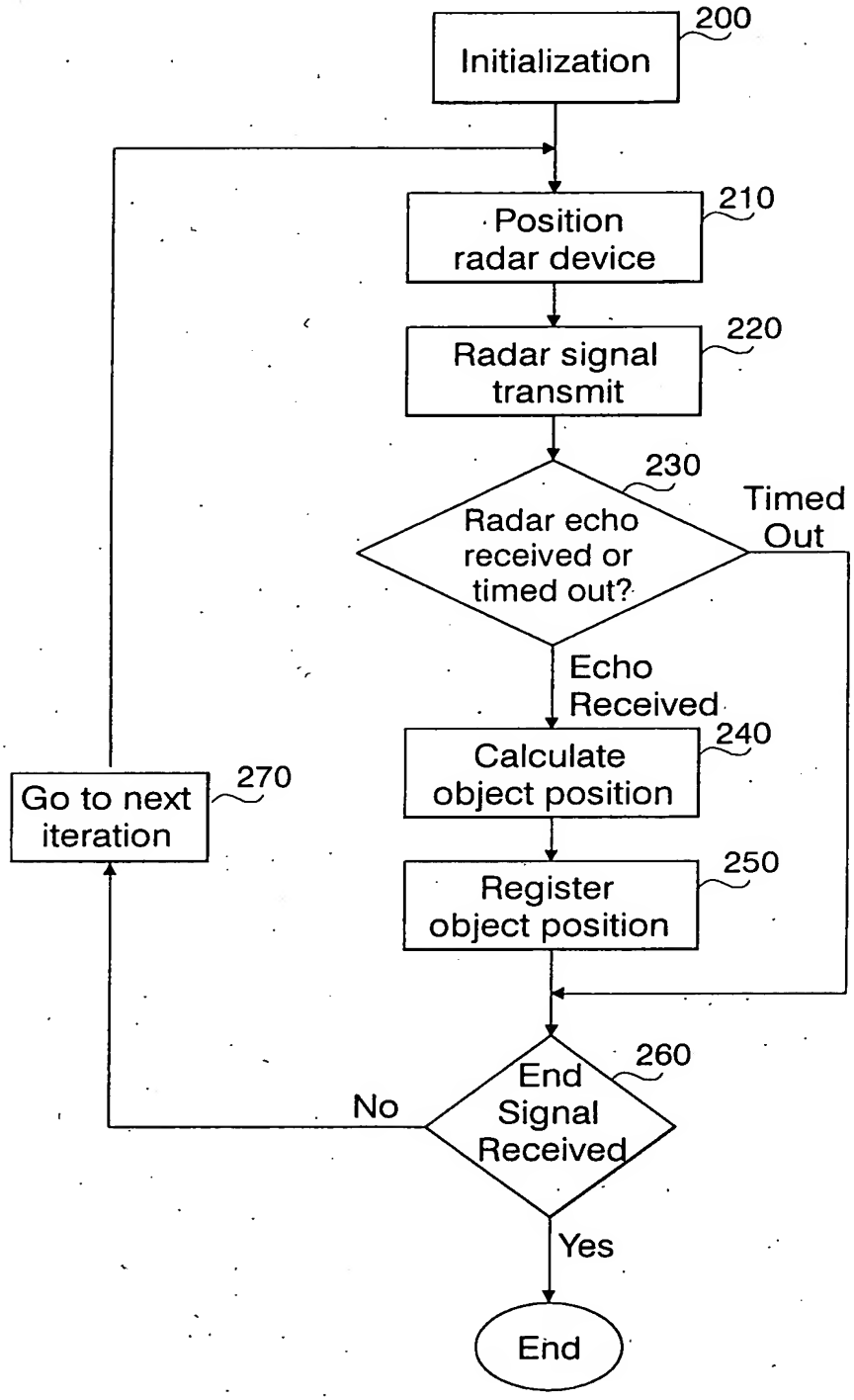
Initialization
200
Position radar device
210
Radar signal transmit
220
Radar echo received or timed out?
230
Timed Out
Echo Received
Calculate object position
240
Register object position
250
End Signal Received
260
No
Yes
Go to next iteration
270
End

FIGURE 2

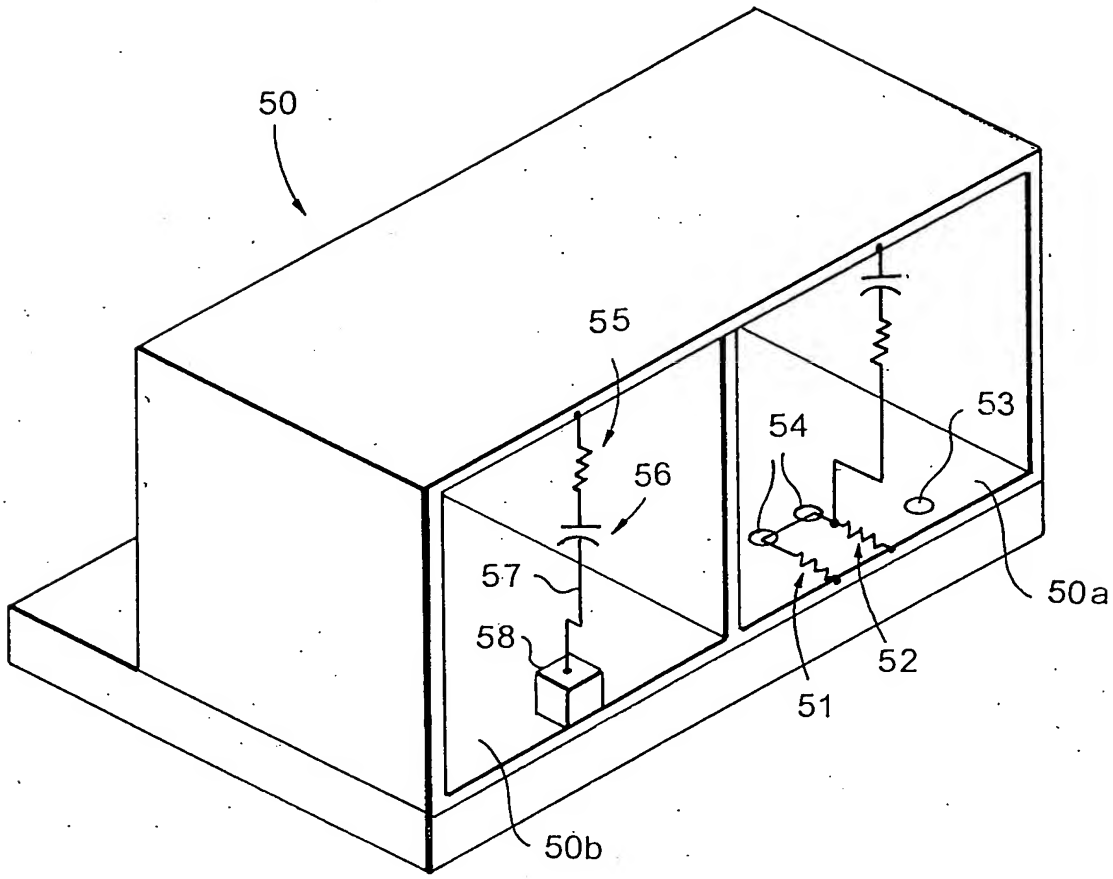

FIGURE 3

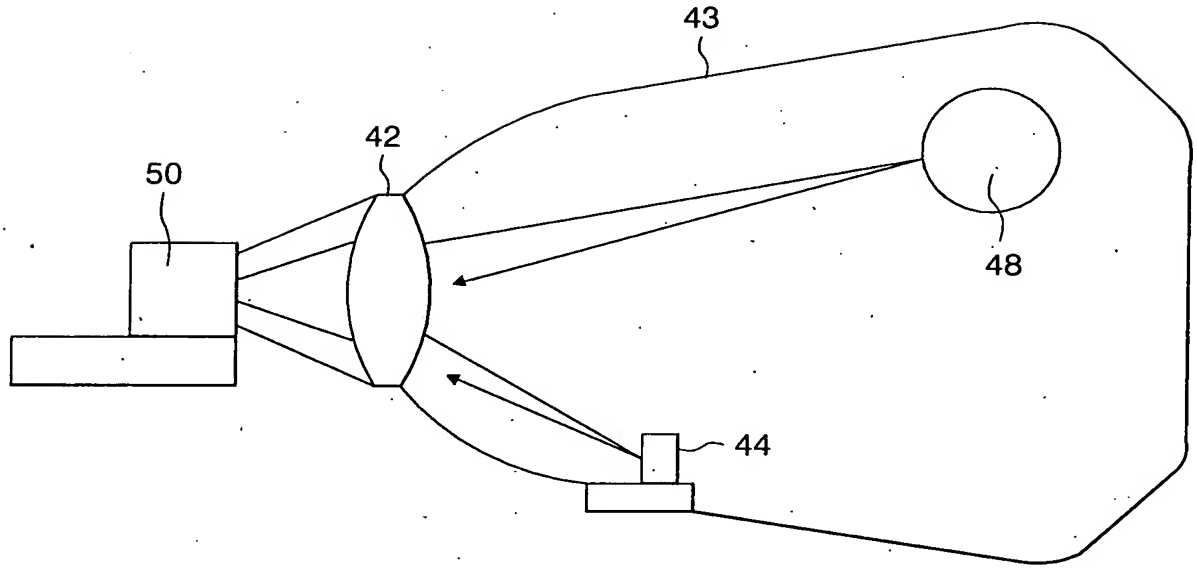

FIGURE 4(a)

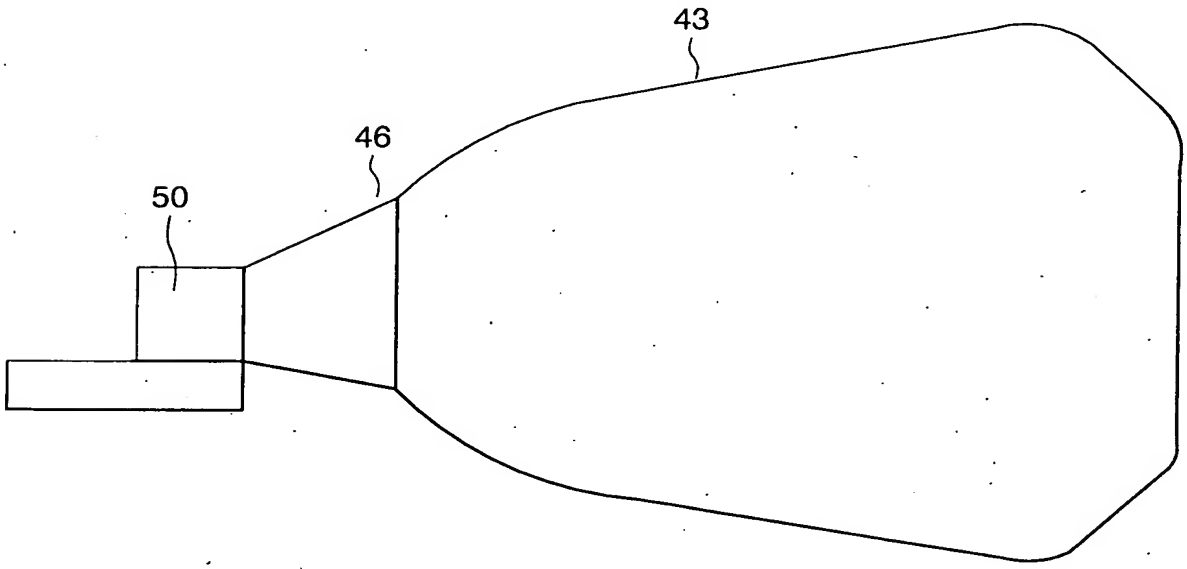

FIGURE 4(b)

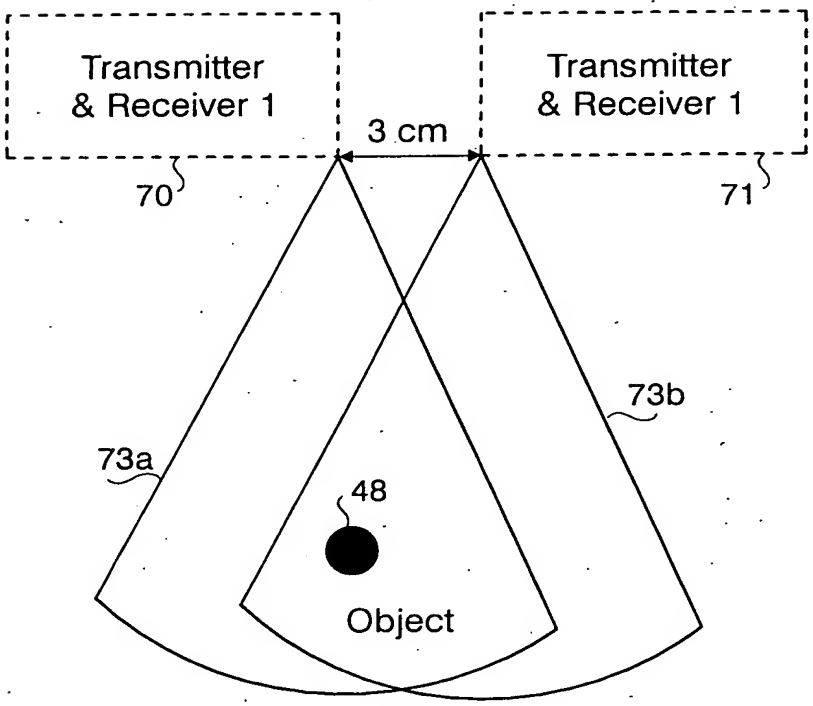
Transmitter
& Receiver 1
3 cm
Transmitter
& Receiver 1
70
71
73b
73a
48
Object

FIGURE 5

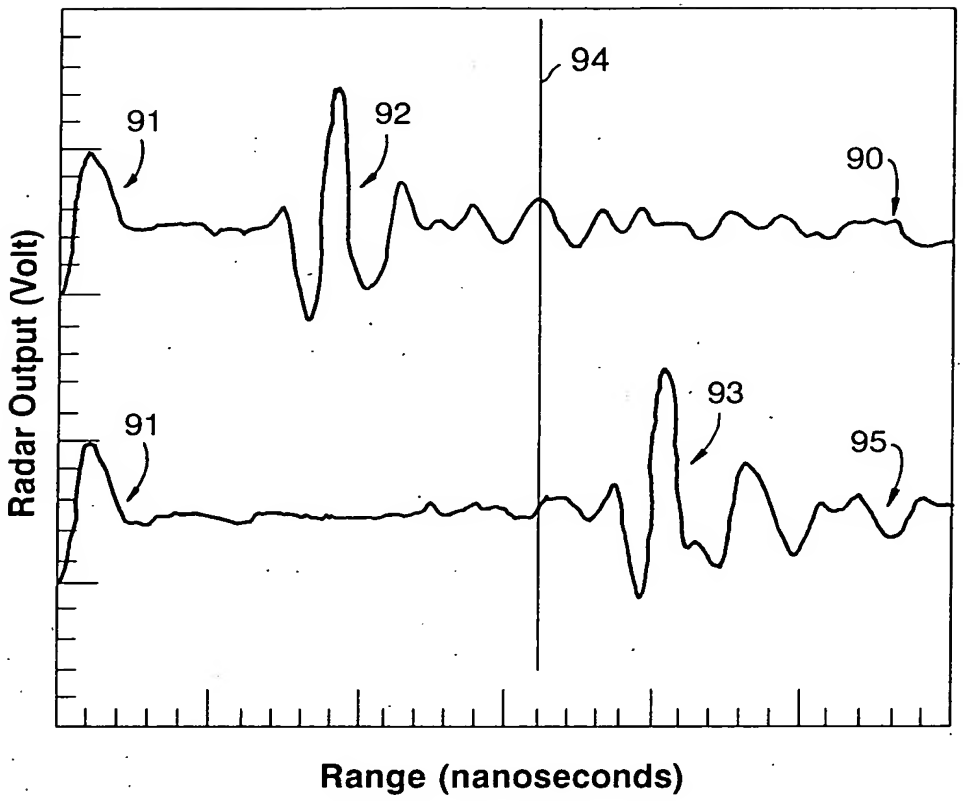

FIGURE 6(a)

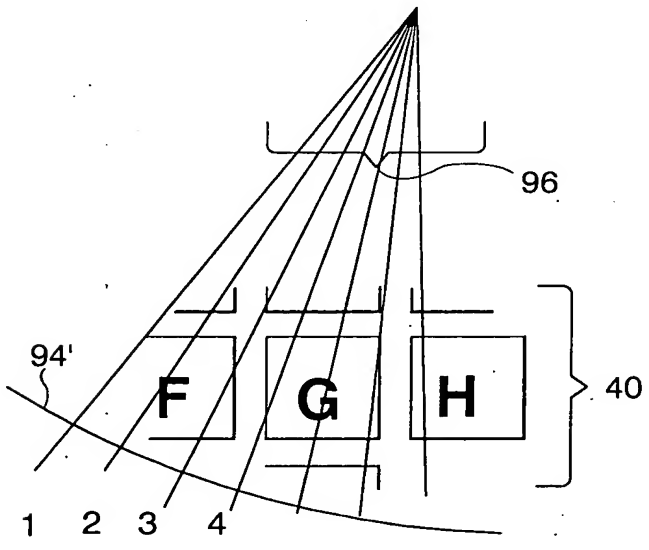

FIGURE 6(b)

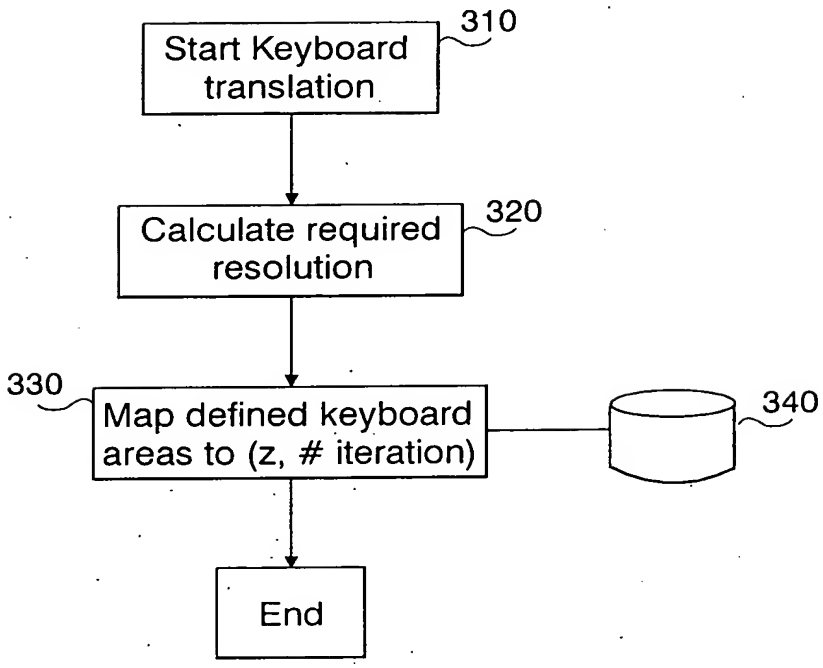

FIGURE 7(a)

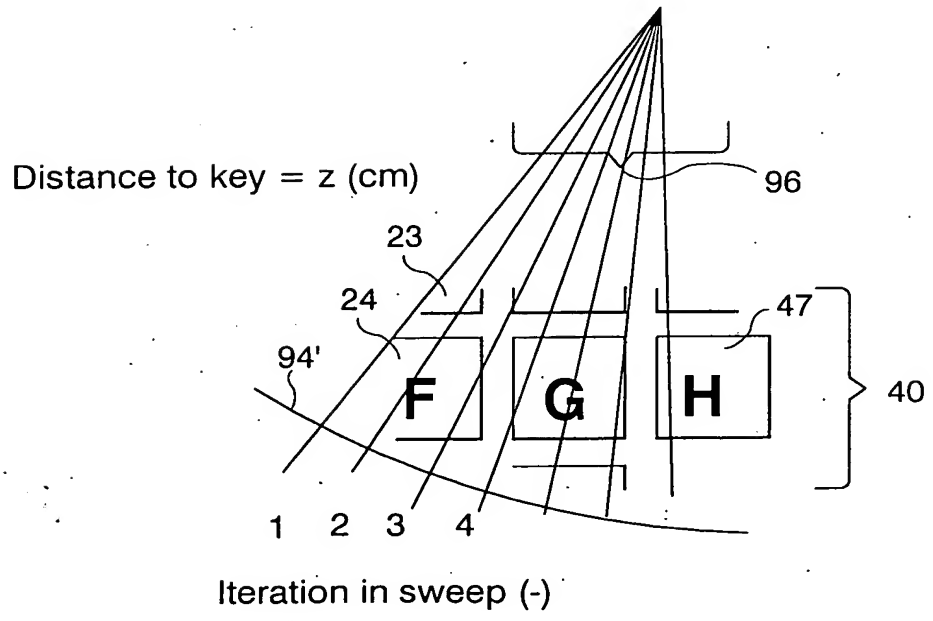

FIGURE 7(b)

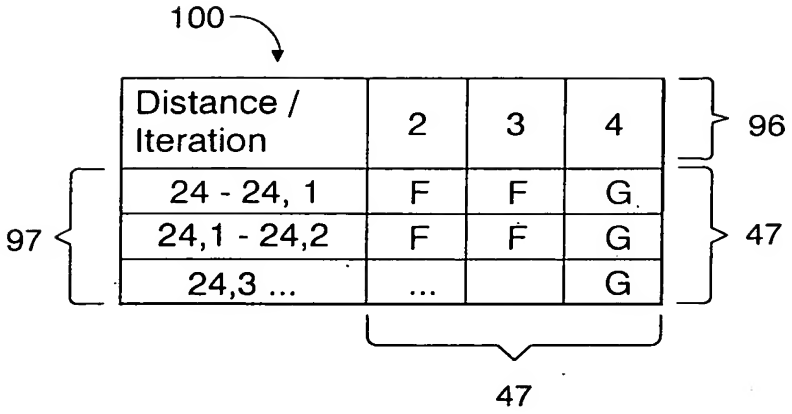

FIGURE 7(c)

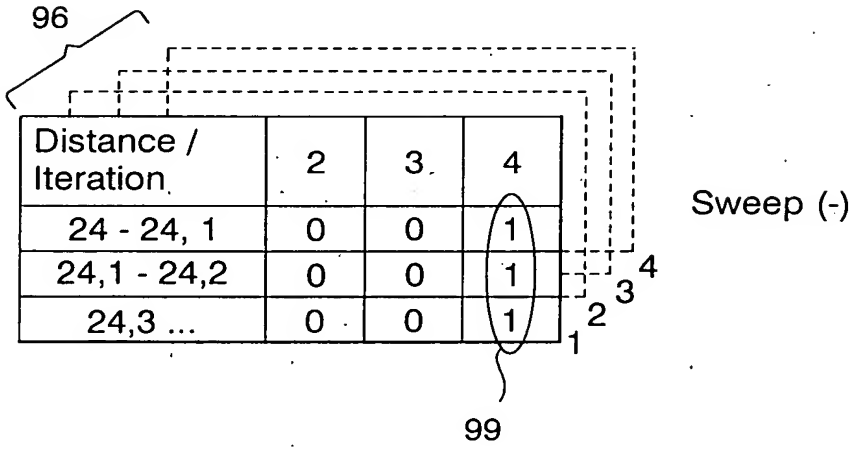

FIGURE 7(d)

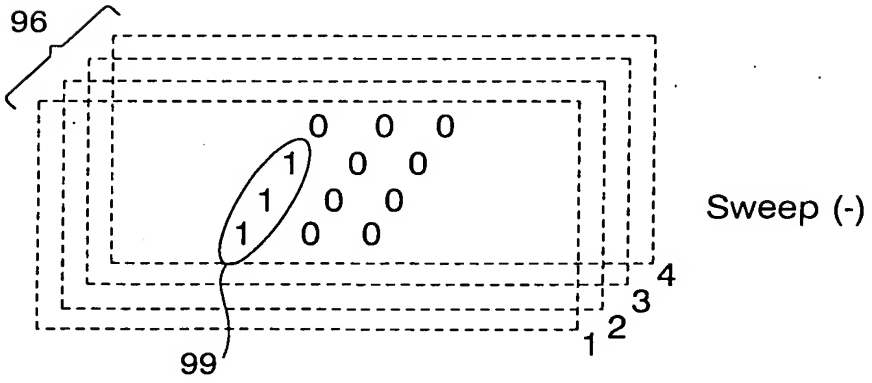

FIGURE 7(e)

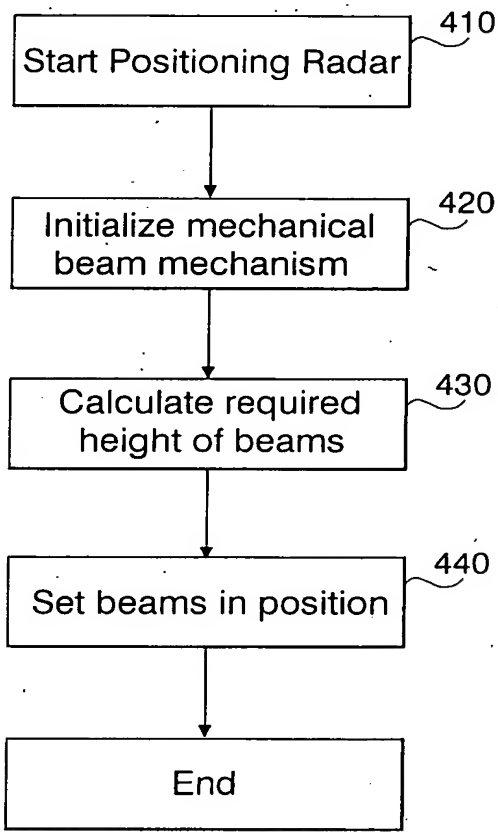
Start Positioning Radar
410
Initialize mechanical beam mechanism
420
Calculate required height of beams
430
Set beams in position
440
End

FIGURE 8
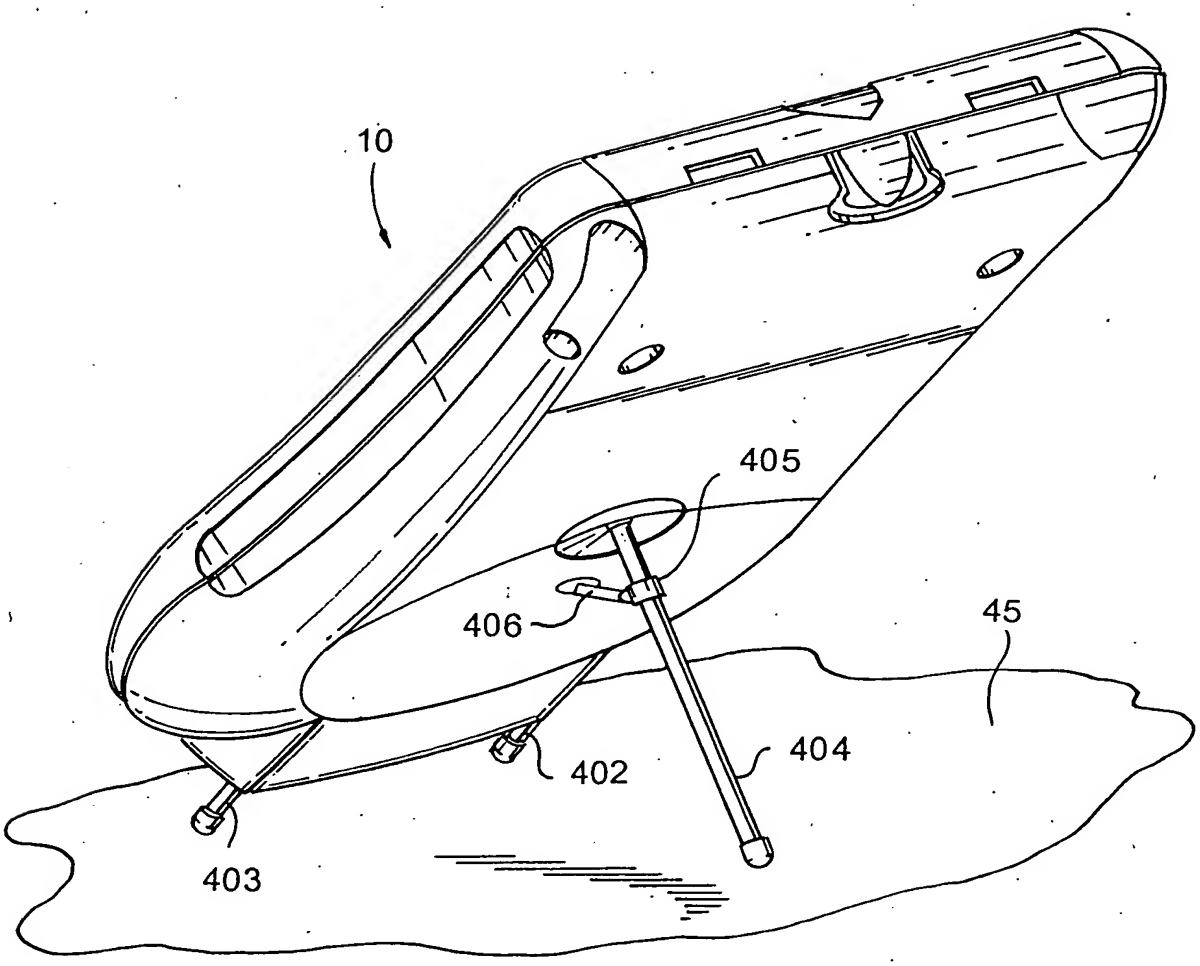
FIGURE 9